



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 3:52 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 391 Const Calendar Day: 109 Date: 21-Sep-2012 Friday

Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 07:30 AM 06:20 PM Break: 00:30 Over Time: 02:00

Federal ID:

Location:

Reviewer: Schmitt, Alex

Approved Date:

Status: Submit

04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge

Weather

Temperature	7 AM	12 PM	4 PM
Precipitation			Condition

Working Day ☒ If no, explain:

Diary:

Dispute

Phase 1 Load Transfer

Overview of Cable work today:

The following work was ongoing today on the Cable:

- Phase-1 load transfer (LT) step 4d-Adj was completed (started yesterday)
- Phase-1 LT step 4e-Adj was completed
- Phase-1 LT step 4f-Adj was completed
- Phase-1 LT step 5a-Adj was started
- Re-tensioning of cable band (CB) bolts
- The swing-out bracket at PP104 were removed
- The suspender ropes at PPs 106S & 110S were installed

Today I was inspecting the LT suspender jacking operation on the South cable. See the diaries of Laraine Woo, Sami Daouk, P. Jalali, & F. Carpio for additional details for the South cable suspender jacking as they were also inspecting this work. See the diary of others for information on the North cable suspender jacking & CB bolt tensioning.

- I arrived at the pier 7 office at 07:30.
- From 07:30 until 08:30, I did misc office work at pier 7 (prepared paperwork needed in the field, reviewed Cable related RFIs, checked email, etc).
- At 08:45, I arrived on the bridge. At this time, jacking on the LT step 4d-Adj suspenders on the South cable was ongoing.
- From 08:45 until 11:00, one crew was removing the swing-out bracket from PP104S.
- Throughout the entire shift, I inspected the suspender jacking on the South cable, including monitoring jack pressures & measuring RJLs. 3 crews were jacking on the suspenders on the South cable.
- At 09:50, jacking on the LT step 4d-Adj suspenders on the South cable was completed.
- From 09:50 until 13:10, jacking on the LT step 4e-Adj suspenders on the South cable was ongoing.
- From 11:00 until 15:00, one crew was installing the suspender ropes at PPs 106S & 110S. I intermittently checked on this operation to make sure that the suspender ropes were not getting damaged during the installation.
- From 13:10 until 14:50, jacking on the LT step 4f-Adj suspenders on the South cable was ongoing. Note: they skipped PP106S, & did not jack at this location because they wanted to keep enough clearance to be able to install the suspender ropes.
- From 14:50 until 15:15, they did a lift-off to check the pressure at all phase-1 suspenders.
- From 15:15 until the end of the shift, jacking on the LT step 5a-Adj suspenders on the South cable was ongoing. By the end of the shift, they had completed the jacking at the following PPs: 10S, 14S, 18S, 22S, 26S, 30S, 34S, 38S, 50S, 52S, 54S, 58S, 62S, 66S, 70S, 74S, 78S, 82S, & 86S (Note: 40S was skipped because the jacking distance was only to be 5mm). They plan to complete the jacking at PPs 90



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through 110 tomorrow.

- At 17:05, the crews wrapped up their tools to end the shift.

- From 17:05 until 17:20, I measured several more RJLs that we did not get time to measure during the shift.

- Note: Each time the crews were jacking on any suspenders, we observed the pressure gauge to ensure that they stayed within the do-not-exceed (DNE) pressure. The maximum suspender jacking pressure observed today was 8100 psi (at PP98S), which was well within the DNE of 9069 psi.

- Note: After the suspender jacking, we measured all of the remaining jacking lengths (RJLs) to make sure they were in accordance with the LT plan submittal. Each of the RJL measurements was close to the theoretical numbers in the LT plan submittal.

- At 17:30, I left the bridge.

- From 17:45 until 18:00, I compiled the jacking pressure data & the RJL measurement data that was collected today on the South cable. This data left in the drop box to be input into the master spreadsheet by office personnel.

- From 18:00 until 18:15, I wrote my diary for the day & checked email.

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04-0120F4

Bid Item: 067

C-SUS-BGS.067

Attach BG Lifts to Suspenders

AMERICAN BRIDGE/FLUOR, A JV